**MICROCONTROLLERS**

**MODULE – 1 - INTRODUCTION TO MICROCONTROLLERS**

**REVIEW EXERCISE – 1**

1. Define a microcontroller.

**A microcontroller is a kind of miniature computer that can do one dedicated task well. It is embedded in all electronic products.**

1. Is the BASIC Stamp module a microcontroller, or does it contain one?

**The BASIC Stamp module contains a microcontroller.**

1. What does an apostrophe at the beginning of a line of PBASIC code signify?

**It is a comment.**

1. Explain what the asterisk (\*) does in this command DEBUG DEC 7 \* 11

**Multiply operator**

1. What will the Debug Terminal display if you run the command given

below?

DEBUG DEC 7 + 11

**18**

1. There is a problem with the commands given below. When you run the code, the numbers they display are stuck together. Modify the commands so that the numbers appear on two different lines.

DEBUG DEC 5 \* 2

DEBUG DEC 5 + 2

**DEBUG DEC 5 \* 2**

**DEBUG CR, DEC 5 + 2**

1. Name the microcontroller used by the BASIC Stamp module.

**Parallax, Inc.’s BASIC Stamp 2 module has a microcontroller built onto it called BASIC STAMP 2 MICROCONTROLLER.**

**It is a black chip with lettering “PIC16C57”.**

1. What is the purpose of the $STAMP directive?

**The first directive is called the $STAMP Directive, and it tells the BASIC Stamp Editor that you will be downloading the program specifically to a BASIC Stamp 2 module.**